



Form	QL801-047
Revision	A
Prepared by	Brian Anderson
Approved by	Owen Bry
Issue date	1/14/2011

[MSDS] **Total Protein**
1268 N. Lakeview Ave. Anaheim, CA 92807 Phone: (714) 463-1111 Fax: (714) 463-1169 www.tecodiag.com

Section 1 – Product and Company Information

Product Name Catalog Number Product Type	Total Protein T528-480 Clinical Chemistry Reagent	Emergency Telephone No. CHEMTREC (800) 424-9300 International CHEMTREC (703) 527-3887
Company Name Street Address City, State, Zip Code, Country	Teco Diagnostics 1268 N. Lakeview Avenue Anaheim, CA 92807 USA	Company Telephone No. (800) 222-9880 or (714) 693-7788 Monday - Friday 8:00-4:30 PST Fax No. (714) 693-3838

Section 2 – Composition/Information on Ingredients

	Chemical Names	Concentration	CAS#
Total Protein Reagent:	Sodium Hydroxide, Copper Sulfate, Sodium Potassium Tartrate, Potassium Iodide	600mM,12mM, 32mM,30mM	1310-732, 1332-14-5, 921-53-9, 7681-11-0
Total Protein Standard:	Bovine Albumin	5.0 g/dl	9048-46-8

Other components either non-hazardous or at concentrations below that requiring hazardous listing.

Section 3 – Hazards Identification

Emergency Overview: Total Protein Reagent: Symbol: C (Corrosive) Harmful by inhalation, in contact with skin and if swallowed. Causes burns. Irritating to eyes, respiratory system and skin. Routes of Entry: Inhalation, ingestion, eye contact and skin contact. In case of inhalation, ingestion, eye contact, or skin contact, refer to section 4. Effects of chronic exposure: No information available. Carcinogenicity: Not a known carcinogen

Section 4 – First Aid Measures

Skin:	In case of skin contact, immediately flush area with plenty of water for at least 15 minutes. Call a physician if necessary.
Eyes:	In case of eye contact, immediately flush eyes with plenty of water for at least 15 minutes. Assure adequate flushing by separating the eyelids with fingers. Call a physician if necessary.
Ingestion:	If swallowed, wash out mouth with water provided person is conscious. Call a physician.
Inhalation:	If inhaled, remove to fresh air. If not breathing give artificial respiration, but NOT by mouth-to-mouth resuscitation. If breathing is difficult, give oxygen. Call a physician.

Section 5- Fire and Explosive Hazard Data

Flash Point N/A	Explosion Limits N/A	Flammable Limits N/A
Extinguishing Media Use media appropriate for site conditions.		
Firefighting Measures Special Fire fighting Procedures: Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes. Unusual Fire & Explosion Hazards: May emit toxic fumes under fire conditions.		

Section 6 – Accidental Release Measures

Procedure to be Followed in Case of Leak or Spill Ventilate the area. Absorb on inert material. Place material and contaminated disposables into a suitable container, seal, label and hold for disposal. Wash spill site after material pickup is complete.	Procedures of Personal Precaution Exercise appropriate precautions to avoid direct contact with skin or eyes. Refer to section 8.
Methods for Disposal Refer to section 13.	

Section 7 – Handling and Storage

Handling Avoid contact with eyes, skin, and clothing. Avoid prolonged or repeated exposure. Avoid inhalation or ingestion. Do not pipette by mouth. Wash thoroughly after handling. Wash contaminated clothing before reuse. Refer to Section 8
Storage Store according to package directions.



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Section 8 – Exposure Controls / PPE

<p>Engineering Controls Safety shower and eyewash. Ventilation: General room ventilation is satisfactory.</p>	<p>Personal Protective Equipment Respiratory Protection: None required where adequately ventilated. Protective Clothing: lab coat Protective Gloves: latex or rubber gloves Eye Protection: safety glasses or goggles Other Protective Equipment: Use a safety pipette device.</p>
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Section 9 - Physical Data

Boiling Point N/A	Solubility in Water N/A	Specific Gravity (g/cm³) N/A
Odor No Significant Odor	pH Total Protein Reagent: Basic Total Protein Standard: Not relevant to safety	Appearance Reagent: Blue liquid Standard: Clear to pale yellow liquid

Section 10 – Stability and Reactivity

<p>Stability Stable under normal handling and storage conditions.</p>	<p>Materials to Avoid Total Protein Reagent: Acids, organic materials, chlorinated solvents, aluminum, phosphorus, tin/tin oxides, zinc</p>
<p>Hazardous Decomposition Products Total Protein Reagent: sodium, sodium oxides.</p>	<p>Hazardous Polymerization Will not occur.</p>

Section 11 – Toxicological information

No information available.

Section 12 – Ecological Information

No information available.

Section 13 – Disposal Considerations

Dispose of in accordance with current national and regional regulations.

Section 14 – Transport Information

Product is stable under normal conditions.
Non-hazardous for transport

Section 15 – Regulatory Information

OSHA Status: Regulated under Subpart Z
Classification: The preparation is classified and labeled according to EEC Directive n.88/379.
Symbol: C (Corrosive)
Risk Statements: Harmful by inhalation, in contact with skin and if swallowed. Causes burns. Irritating to eyes, respiratory system and skin.
Safety Statements: Avoid contact with skin and eyes. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. After contact with skin, wash immediately with plenty of water. If swallowed, seek medical advice immediately and show this container or label.

Section 16 – Other Information

This Product is labeled in accordance with CFR21 (Food and Drugs), Section 809.10.
The information contained herein has been compiled from data presented in various technical sources believed to be accurate. We make no warranties, express or implied, and assume no liability in connection with the use of this information. It is the user's responsibility to determine the suitability of this information and to assure the adoption of necessary safety precautions.

N/A - Not Applicable or Not Available



Teco Diagnostics
Clinical Reagent Specialists

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